



A MEMBER OF THE **CPDI**
An Information Portal to Biological Macromolecular
Structure

As of Tuesday May 20, 2008 there are 50961 Structures | PC
Statistics

[CONTACT US](#) | [HELP](#) | [PRINT PAGE](#)

☒ PDB ID or keyword ☐ Author

Site Search

☒ | [Advanced Search](#)

[Home](#) [Search](#) [Results](#) [Queries](#)

- ☒ Results (1-10 of 64)
- ☒ Results ID List
- ☒ Modify / Refine this Search
- ☒ 3 Structures Awaiting Release
- ☒ Select All
- ☒ Deselect All
- ☒ Download Selected
- ☒ Tabulate
- ☒ Narrow Query
- ☒ Sort Results
- ☒ Results per Page
- ☒ Show Query Details
- ☒ Results Help

Are you missing data updates? The PDB archive has moved to <ftp://ftp.wwpdb.org>.
For more information click here.

[Help](#) [64 Structure Hits](#) [52 Ligand Hits](#) [3 Unreleased Structures](#)

[37 Citations](#) [26 Web Page Hits](#) [GO Hits](#) [SCOP Hits](#) [CATH Hits](#)

Advanced Keyword Query for: dipeptidyl peptidase IV

1 2 3 4 5 .. 7

☒ 2g5t



Crystal structure of human dipeptidyl peptidase IV (DPP-IV) complexed with cyanopyrrolidine (C5-pro-pro) inhibitor 21ag

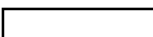
Release Date: 04-Jul-2006 Exp. Method:

Resolution: 2.30 Å

Characteristics

Classification

Hydrolase



Compound

Polymer: 1 Molecule: Dipeptidyl peptidase 4 soluble
Fragment: Dipeptidyl peptidase 4 soluble

Chains: A,B EC no.: 3.4.14.5

Longenecker, K.L., Fry, E.H., Lake, M.R., Solomon, L.R., Pei, Z., Li, X.

Authors



☒ 2g5p



Crystal structure of human dipeptidyl peptidase IV (DPP-IV) complexed with cyanopyrrolidine (C5-pro-pro) inhibitor 21ac

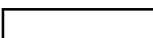
Release Date: 04-Jul-2006 Exp. Method:

Resolution: 2.40 Å

Characteristics

Classification

Hydrolase



Compound

Polymer: 1 Molecule: Dipeptidyl peptidase 4 soluble
Fragment: Dipeptidyl peptidase 4 soluble

Chains: A,B EC no.: 3.4.14.5

Longenecker, K.L., Fry, E.H., Lake, M.R., Solomon, L.R., Pei, Z., Li, X.

Authors

☒ 2gbc



Native DPP-IV (CD26) from Rat

Release Date: 04-Jul-2006 Exp. Method:

Resolution: 2.80 Å

Characteristics

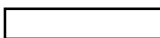
Classification

Hydrolase

Generate a custom report for these results in Microsoft Excel format. Click here for more information.



Compound Polymer: 1 Molecule: Dipeptidyl peptida
Chains: A,B EC no.: 3.4.15.5
Authors Longenecker, K.L., Jakob, C.G., Fry S.



☒ 2fjp



Human dipeptidyl peptidase IV/ CD26 in complex with an inhibitor



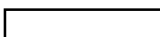
Characteristics

Release Date: 04-Jul-2006 Exp. Method:

Resolution: 2.40 Å

Classification

Hydrolase



Compound

Polymer: 1 Molecule: Dipeptidyl peptida
 Fragment: EXTRACELLULAR DOMAIN
 Mutation: Ser39Thr Chains: A,B EC no.

Polymer: 2 Molecule: 6-(4-((1S,2S)-2-aryl-2-oxo-1-phenylethyl)-3-oxopropyl)phenyl-1,2,4-triazole-3-carboxamide N-oxide
 pyridin-1-ium bis(trifluoroacetate)

Authors

Scapin, G., Patel, S.B., Becker, J.W.

☒ 2g63



Crystal structure of human dipeptidyl peptidase IV (DPP-IV) complexed with cyanopyrrolidine (C5-pro-pro) inhibitor 24b



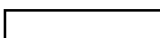
Characteristics

Release Date: 04-Jul-2006 Exp. Method:

Resolution: 2.00 Å

Classification

Hydrolase



Compound

Polymer: 1 Molecule: Dipeptidyl peptida
 Fragment: Dipeptidyl peptidase 4 soluble

Chains: A,B,C,D EC no.: 3.4.14.5

Authors

Longenecker, K.L., Fry, E.H., Lake, M.R., Solomon, L.R., Pei, Z., Li, X.

☒ 2oqv



Human Dipeptidyl Peptidase IV (DPP4) with piperidine-constrained phenethylamine



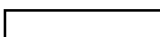
Characteristics

Release Date: 24-Apr-2007 Exp. Method:

Resolution: 2.80 Å

Classification

Hydrolase



Compound

Polymer: 1 Molecule: Dipeptidyl peptida
 (Dipeptidyl peptidase IV) (DPP IV)
 no.: 3.4.14.5

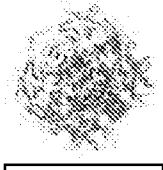
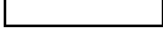
Authors

Pei, Z., Li, X., von Geldern, T.W., L. K.L., Pireh, D., Stewart, K.D.

☒ 1rwq




Human Dipeptidyl peptidase IV in complex with 5-aminomethyl-6-(2,4-dichloro-phenyl)-2-(3,5-dimethoxy-phenyl)-pyrimidin-4-





 

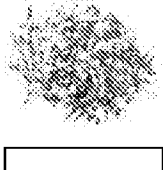

Characteristics Release Date: 17-Dec-2004 Exp. Method:
Resolution: 2.20 Å

Classification Hydrolase

Compound Polymer: 1 Molecule: Dipeptidyl peptida
Chains: A,B EC no.: 3.4.14.5 

Authors Hennig, M., Thoma, R., Stihle, M.

☒ 2ajl     X-ray Structure of Novel Biaryl-
Based Dipeptidyl peptidase IV
inhibitor





 

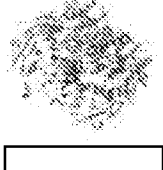
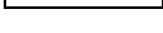
Characteristics Release Date: 08-Nov-2005 Exp. Method:
Resolution: 2.50 Å

Classification Hydrolase

Compound Polymer: 1 Molecule: Dipeptidyl peptida
Fragment: Dipeptidyl peptidase 4 solubl
residues 39-766 Chains: I,J EC no.: 3


Authors Qiao, L., Baumann, C.A., Crysler, C
N.S., Abad, M.C., Spurlino, J.C., De
R.L., Kervinen, J., Neeper, M.P., Ba

☒ 2i3z     rat DPP-IV with xanthine mimetic
inhibitor #7




 

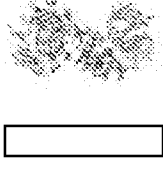

Characteristics Release Date: 12-Dec-2006 Exp. Method:
Resolution: 2.90 Å

Classification Hydrolase

Compound Polymer: 1 Molecule: Dipeptidyl peptida
(Dipeptidyl peptidase IV) (DPP IV)
Fragment: DIPEPTIDYL PEPTIDASE S
FORM (RESIDUES 38-767) Chains: A
no.: 3.4.14.5 


Authors Kurukulasuriya, R., Rohde,
J.J., Szczepankiewicz, B.G., Basha,
C., Winn, M., Stewart, K.D., Longel
K.L., Lubben, T.W., Ballaron, S.J.,
H.L., VonGeldern, T.W.

☒ 1j2e     Crystal structure of Human
Dipeptidyl peptidase IV


 

Characteristics Release Date: 30-Dec-2003 Exp. Method:
Resolution: 2.60 Å

Classification Hydrolase

Compound Polymer: 1 Molecule: Dipeptidyl peptida
Fragment: residues 33-772 Chains: A,E
no.: 3.4.14.5 

Authors Hiramatsu, H., Kyono, K., Higashiy
Y., Fukushima, C., Shima, H., Sugi
S., Inaka, K., Yamamoto, A., Shimi

1 2 3 4 5 .. 7 

© RCSB Protein Data Bank